

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20040067165".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 09:14
S2	1269	422/63.ccls.	USPAT	OR	ON	2007/01/10 16:22
S3	881	422/64.ccls.	USPAT	OR	ON	2007/01/10 16:22
S4	2195	422/100.ccls.	USPAT	OR	ON	2007/01/10 16:22
S5	0	(S2 S3 S4) and (reagent adj bottle) near seal	USPAT	OR	ON	2007/01/10 16:24
S6	7	(S2 S3 S4) and (reagent adj bottle) near (cap or cover\$3)	USPAT	OR	ON	2007/01/10 16:27
S7	16	automatic near analy\$4 and (reagent or sample) with (seal\$4 or cover\$4) near (break\$4 or punctur\$4 or ruptur\$4)	USPAT	OR	ON	2007/01/10 16:28
S8	24	("4133642"   "4263001"   "4428673"   "4680457"   "4751184"   "4751186"   "4798095"   "4889982"   "4958064"   "5055408").PN. OR ("5176880").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/10 16:33
S9	1	"5137808".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/10 16:33
S10	12	("5051238"   "5384093"   "5439646"   "5472669"   "5587129"   "5639425").PN. OR ("5882594").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/10 16:36
S11	2	(S8 S10) and (seal\$4 or cover\$4 or cap\$4) with (break\$4 or punctur\$4 or ruptur\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/10 16:38
S12	8	(US-20040067165-\$).did. or (US-5137808-\$ or US-5176880-\$ or US-4927765-\$ or US-5989499-\$ or US-5055408-\$ or US-5272092-\$ or US-5882594-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/11 14:12
S13	8	S12 and (seal\$4 or break\$4)	US-PGPUB; USPAT	OR	ON	2007/01/11 14:12
S14	2195	422/100.ccls.	USPAT	OR	ON	2007/01/11 14:41
S15	1269	422/63.ccls.	USPAT	OR	ON	2007/01/11 14:41
S16	881	422/64.ccls.	USPAT	OR	ON	2007/01/11 14:42

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S17	46	(S14 S15 S16) and (pierc\$4 or break\$4 or seal\$4) with attachment	USPAT	OR	ON	2007/01/11 14:42
S18	381	(S14 S15 S16) and (pierc\$4 or break\$4 or seal\$4) with (fitting or fitted or attachment or attached or attaching)	USPAT	OR	ON	2007/01/11 14:43
S19	75	(S14 S15 S16) and (pierc\$4 or break\$4 or seal\$4) near(fitting or fitted or attachment or attached or attaching)	USPAT	OR	ON	2007/01/11 14:50
S20	203	automatic adj analy\$4 and (actuator or pierc\$3 or syringe or needle) with (tube or container or bottle)	USPAT	OR	ON	2007/01/11 14:53
S21	1	"5000921".pn. and actuating	USPAT	OR	ON	2007/01/11 14:53
S22	39	("4511534"   "4565100"):PN. OR ("5000921").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/11 14:55
S23	5809	(pipett\$4 or aspirat\$4 or sampl\$4) with attachment	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/11 15:01
S24	633	(pipett\$4 or aspirat\$4 or sampl\$4) near attachment	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/11 15:01
S25	16	("3302854"   "4154795"   "4215092"   "4472357"   "4565100"   "4731225"   "4892006"   "5000921"   "5054631"   "5096672"   "5232669"   "5240679"   "5392914"   "5409127").PN. OR ("5576214").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/11 15:13
S26	1	"4731225".pn. and (seal\$4 or break\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/11 15:13
S27	15	("3853217"   "4346057"   "4349109"   "4566668"   "4895706"   "4948564"   "5035866"   "5057282"   "5063790"   "5098663"   "5190727"   "5324482"   "5335481"   "5576214"   "5827745").PN. OR ("7060226").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/11 15:22
S28	8388	watanabe.in. and (seal\$4 or break\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/11 15:22

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S29	0	watanabe.in. and (seal\$4 or break\$4) and olympic.as.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/11 15:22
S30	39	watanabe.in. and (seal\$4 or break\$4) and olympus.as.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/11 15:31
S31	36	watanabe.in. and (automatic adj analy\$4).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/11 15:35
S32	1	S31 and break\$4 near seal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/11 15:32
S33	1	watanabe.in. and (automatic adj analy\$4).ti. and (break\$3 or ruptur\$4 or pierc\$4) near seal\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/11 15:36
S34	1	watanabe.in. and (automatic adj analy\$4).ti. and (break\$3 or ruptur\$4 or pierc\$4) with (seal\$4 or cap or cover\$3 or membrane or film or capping)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/11 15:36
S35	933	watanabe.in. and (break\$3 or ruptur\$4 or pierc\$4) with (seal\$4 or cap or cover\$3 or membrane or film or capping)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/11 15:36
S36	377	watanabe.in. and (break\$3 or ruptur\$4 or pierc\$4) with (seal\$4 or cap or cover\$3 or membrane or film or capping)	USPAT	OR	ON	2007/01/11 15:36
S37	5	watanabe.in. and (break\$3 or ruptur\$4 or pierc\$4) with (seal\$4 or cap or cover\$3 or membrane or film or capping) and olympus.as.	USPAT	OR	ON	2007/01/11 15:38
S38	753	422/81.ccls.	USPAT	OR	ON	2007/01/11 15:39
S39	2195	422/100.ccls.	USPAT	OR	ON	2007/01/11 15:39
S40	34	422/100.ccls. and break\$4 near seal\$4	USPAT	OR	ON	2007/01/11 15:39
S41	35	422/100.ccls. and break\$4 near (seal\$4 or film or membrane)	USPAT	OR	ON	2007/01/11 15:54
S42	1	"4785677".pn. and (S13 or breaker)	USPAT	OR	ON	2007/01/11 15:57

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S43	112	(automatic or automated) near (analy\$4) and (break\$4 or ruptur\$4 or punctur\$4 or pierc\$4) near (seal\$4 or film or membrane or covering or cap)	USPAT	OR	ON	2007/01/11 15:59
S44	10	("4555957").PN. OR ("4785677").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 09:58
S45	1	"4555957".pn. and seal\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 10:09
S49	75	"422".clas. and pipett\$4 with (pierc\$4 or ruptur\$4 or break\$4) with (seal\$4 or cover or membrane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/16 10:16
S50	37	"422".clas. and pipett\$4 with (pierc\$4 or ruptur\$4 or break\$4) with (seal\$4 or cover or membrane)	USPAT	OR	ON	2007/01/16 10:24
S51	38	"422".clas. and (pipett\$4 or automatic adj analy\$4) with (pierc\$4 or ruptur\$4 or break\$4) with (seal\$4 or cover or membrane)	USPAT	OR	ON	2007/01/16 10:30
S52	3	(automatic or automated) adj (analy\$4) and (pipet\$4 adj probe) with (break\$4 or pierc\$4 or ruptur\$4 or broken) with (seal\$4 or membrane or cover\$3 or film)	USPAT	OR	ON	2007/01/16 10:32
S53	33	(automatic or automated) adj (analy\$4) and (syringe or needle or pipette or pipettor) with (break\$4 or pierc\$4 or ruptur\$4 or broken) with (seal\$4 or membrane or cover\$3 or film)	USPAT	OR	ON	2007/01/16 10:32
S54	1	"5055408".pn. and seal\$4	USPAT	OR	ON	2007/01/16 16:42
S55	1	"4785677".pn.	USPAT	OR	ON	2007/01/17 09:14
S56	10	("4555957").PN. OR ("4785677").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/17 09:44
S57	896	422/50.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/17 09:46
S58	1269	422/63.ccls.	USPAT	OR	ON	2007/01/17 09:46
S59	70	422/63,64.ccls. and (bottle or container or tube) near sealed	USPAT	OR	ON	2007/01/17 09:48

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S60	21	422/63,64.ccls. and (bottle or container or tube) near sealed and (seal\$4 or film or coat\$4) with (break\$4 or broken or punctur\$4)	USPAT	OR	ON	2007/01/17 09:50
S61	35	422/63,64.ccls. and (bottle or container or tube) with (seal\$4 or film or coat\$4) with (break\$4 or broken or punctur\$4)	USPAT	OR	ON	2007/01/17 09:51
S62	93	("1930182"   "2256656"   "2503147"   "2584397"   "2689562"   "2855929"   "3817090"   "3900289"   "3991627"   "4038874"   "4046511"   "4080833"   "4106701"   "4123173"   "4131426"   "4143658"   "4166094"   "4180071"   "4203443"   "4210724"   "4215690"   "4235840"   "4298570"   "4340390"   "4343766"   "4363781"   "4429584"   "4475411"   "4477190"   "4478095"   "4528159"   "4577514"   "4595562"   "4647432"   "4656007"   "4662231"   "4665758"   "4669321"   "4703762"   "4715413"   "4721137"   "4788871"   "4834944"   "4841786").PN. OR ("4951512").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/17 10:01
S63	63	S62 and (punctur\$4 or break\$4 or broken or pierc\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/17 10:02
S64	45	S62 and (punctur\$4 or break\$4 or broken or pierc\$4) with (container or tube or bottle or holder)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/17 10:06
S65	1475	isobe.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/17 10:06
S66	2	isobe.in. and automatic adj analyzer	US-PGPUB; USPAT	OR	ON	2007/01/17 10:09
S67	1	(automated or automatic) near analy\$4 and (seal\$1pierc\$4)	US-PGPUB; USPAT	OR	ON	2007/01/17 10:16
S68	24	422/63,64.ccls. and stripper	US-PGPUB; USPAT	OR	ON	2007/01/17 10:26
S69	0	"422".clas. and stipper near7 pipette	US-PGPUB; USPAT	OR	ON	2007/01/17 10:26

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S70	11	"422".clas. and stripper near7 pipette	US-PGPUB; USPAT	OR	ON	2007/01/17 10:39
S71	5	"422".clas. and (automatic or automated) adj analy\$4 and (seal\$1break\$3 or seal adj break\$4)	US-PGPUB; USPAT	OR	ON	2007/01/17 11:01
S72	1	"4785677".pn.	US-PGPUB; USPAT	OR	ON	2007/01/17 11:03
S73	212	watanabe.in. and olympus.as.	US-PGPUB; USPAT	OR	ON	2007/01/17 11:03
S74	22	watanabe.in. and olympus.as. and break\$4	US-PGPUB; USPAT	OR	ON	2007/01/17 11:04
S75	22	watanabe.in. and olympus.as. and break\$4	EPO; JPO; DERWENT	OR	ON	2007/01/17 11:05
S76	1	"5240679".pn.	EPO; JPO; DERWENT	OR	ON	2007/01/17 11:05
S77	1	"5240679".pn.	US-PGPUB; USPAT	OR	ON	2007/01/17 11:06
S78	0	"9402826"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 11:06
S79	0	"94002826"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 11:06
S80	7	"9402826"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 11:07
S81	2	"5270211".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 11:07

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S82	35	(US-20040067165-\$ or US-20040265173-\$).did. or (US-5055408-\$ or US-4927765-\$ or US-5989499-\$ or US-5272092-\$ or US-5882594-\$ or US-5176880-\$ or US-5137808-\$ or US-5051238-\$ or US-5264182-\$ or US-5576214-\$ or US-5000921-\$ or US-5268148-\$ or US-4785677-\$ or US-4731225-\$ or US-7060226-\$ or US-5240679-\$ or US-4215092-\$ or US-4816408-\$ or US-5604101-\$ or US-5555920-\$ or US-5173741-\$ or US-4764342-\$ or US-4763460-\$ or US-4555957-\$ or US-5250440-\$ or US-4066407-\$).did. or (US-4951512-\$ or US-4429584-\$ or US-5061449-\$ or US-5525302-\$ or US-5270211-\$).did. or (JP-11183484-\$).did. or (US-5270211-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/01/17 11:09
S83	1	S82 and mazza.in.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/01/17 11:35
S84	1	"5270211".pn. and detector	USPAT	OR	ON	2007/01/17 11:35
S85	34	("2503147"   "3641823"   "4274453"   "4475411"   "4478095"   "4539855"   "4577514"   "4624148"   "4691580"   "4713974"   "4721137"   "4737150"   "4834944"   "4927545"   "4951512"   "4961906"   "5130254"   "5163582"   "5169602").PN. OR ("5270211").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/17 12:31
S86	1	"5270211".pn. and (two or more or multi\$4 or plural\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/17 12:31
S87	1	"5270211".pn. and (two or more or multi\$4 or plural\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/17 12:31